



# Epidemiological Research Training Course VI - 2

August 2-6, 2015  
University of Medicine and Pharmacy  
Ho Chi Minh City, Vietnam



**THIS COURSE IS SPONSORED BY  
JICA PARTNERSHIP PROGRAM  
AND SUPPORTED BY**

**HO CHI MINH CITY HEALTH SERVICE AND  
JAPAN EPIDEMIOLOGICAL ASSOCIATION**



# Course Syllabus

This is the sixth research training course jointly organized by the Department of Public Health of Fukushima Medical University and the University of Medicine and Pharmacy, Ho Chi Minh City. The course targets doctors and university lecturers and offers a basic training in *practical*/survey methods that can be applied for improving daily clinical practice. The course deals with health topics at all stages of life including maternal and child health, life-style related diseases in adulthood and gerontology. Successful participants are given an authorized certificate from University of Medicine and Pharmacy, Ho Chi Minh City, and a Continuous Medical Education credit from Ho Chi Minh City Medical Association. This course is sponsored by the JICA partnership program.

## Objectives

The primary objective of this course is to enable participants to understand epidemiological findings, to design and conduct epidemiological studies.

1. To reinforce *basic knowledge* of epidemiology and biostatistics.
2. To provide *technical competencies* required for research: literature searching, critical appraisal of published medical evidence, study designing, questionnaire development, **data handling, data analysis, and publication skills**.

*NOTE: This is a subsequent course of the course VI-1 in August, 2014.*

## Class Meeting Time and Place

Duration: August 2 (Sun) – 6 (Thu)

Time: 9:00-12:00 & 13:30-16:00

Place: University library

## Didactic Method

Most lectures are given in English with translation into Vietnamese. Course materials (in English) are distributed on the first day of the course. Methodologies are lectured in morning classes for all participants. In the afternoon, participants in the project course work on group projects.

- ❖ **Course textbooks in Vietnamese and English are uploaded in the project website. <http://hcmc-fukushima-ebm.net/>**
- ❖ **Please bring your own computer having SPSS, STATA or R installed.**

### 1. Audit course (individual application)

Auditing of lectures without participation in group projects. Individual application is welcome. Number of registrants is limited to APX 50.

## **2. Project course** (group application)

Full participation of two in-class trainings (Course VI-1 in August, 2014 and Course V-2 in August, 2015) and a group project are required. You must apply as a group of 6-7 applicants preferably from the same organization (you should be able work closely as a team). Number of registrants is limited to APX 6 groups.

In Course VI-1, each group was required to work together and present their research proposals. Actual implementation of the planned research project must be completed before the Course VI-2, during which instructions on data analysis are provided. Course instructors will support all groups till article publication. However, please note that no research grant is provided, and you are strongly advised to obtain support from your institution. Small travel stipends will be provided to a number of selected participants traveling from outside of Ho Chi Minh City.

## **Evaluation**

Please note that we require at least 3-day attendance, taking of the final examination, and participation in the presentation session for both Audit and Project Courses. For project course participants, their group assignments are also evaluated. Certificates and CME credits are given to those who successfully complete the course.

*Note. If you are returning participants, please note the change in above evaluation requirements.*

## **Eligibility Criteria and Application**

Applicants should have at least two years of experience in clinical medicine and/or research. Proficiency in English reading is required. We especially encourage participation of mid-career professionals who have planned to conduct epidemiological surveys. Previous courses participants are also welcome. Participants will be selected by the university and the medical association.

- ❖ Please submit the application form to Dr. Tran The Trung of Department of Endocrinology, University of Medicine and Pharmacy, Ho Chi Minh City.  
[tranthetrong73@yahoo.com](mailto:tranthetrong73@yahoo.com)

## **Course Organizers and Project Managers**

Iran Diep Tuan

Dean, University of Medicine and Pharmacy, Ho Chi Minh City

Nguyen Thy Khue

Associate Professor Emeritus, Department of Endocrinology, University of Medicine

and Pharmacy, Ho Chi Minh City

Vice Chair, Ho Chi Minh City Medical Association

Pham Qui Trong

Department of International Relations, University of Medicine and Pharmacy, Ho Chi Minh City

Yasumura, Seiji

Professor, Department of Public Health, Fukushima Medical University School of Medicine

## **Main Instructors**

Goto, Aya

Associate Professor, Department of Public Health, Fukushima Medical University School of Medicine

Nguyen Quang Vinh

Department of Obstetrics and Gynecology, Nguyen Tri Phuong Hospital

Koriyama, Chihaya

Associate Professor, Department of Epidemiology and Preventive Medicine, Kagoshima University

Yokokawa, Hirohide

Associate Professor, Department of General Medicine, Juntendo University School of Medicine

## **Guest lecturers**

Lai, Alden Y, Health policy consultant, Singapore

Tsunetoshi Manome, Fukushima Prefectural Office

## **Assistant instructors**

Nguyen Thi Tu Van

Chair, Department of Obstetrics and Gynecology, Tan Tao University, Long An Province

Tran Quang Nam

Lecturer, Department of Endocrinology, University of Medicine and Pharmacy, Ho Chi Minh City

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Ito, Shinya\*

Assistant Professor, Department of Public Health, Fukushima Medical University School of Medicine

Kuroda, Yujiro\*

Assistant Professor, Department of Public Health, Fukushima Medical University School of Medicine

(\* Contribute also as project assistants)

## **Contacts**

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## Curriculum

	Morning class (9:00-12:00)		Afternoon class (13:30-16:00)	
	Lecture		Software exercise	Group work*
2 Sun	<b>-Opening-</b> Course description (Goto A & AI) Basic statistics: p value and 95%CI (Nguyen QV)	Basic tests: Chi-square, Fisher, Student's t, Mann-Whitney U, Pearson and Spearman's correlation (Nguyen QV)	Data entry into Excel (Vo TK)	Review of project achievements
3 Mon	Data management and descriptive analysis, OpenEpi (Goto A & AI)		SPSS (Tran TT)	Preparation of group presentation
4 Tue	Presentation of clinical epidemiology study results (Yokokawa H & AI)		Survival analysis with SPSS (Pham QT)	Preparation of group presentation
5 Wed	Controlling bias and confounding (Koriyama C & AI)		<b>Special lecture:</b> Publication tips (Lai AY & AI)	Preparation of group presentation
6 Thu	<b>FUKUSHIMA Open Seminar</b>	Examination	Presentation	<b>-Closing-</b>

\* Each group will be guided by one Vietnamese assistant instructor.

\*\* AI = Assistant Instructor

### FUKUSHIMA Open Seminar on August 6

#### "Disaster, Evidence, and Community: Fukushima Case"

1. Introduction of Fukushima (Tsunetoshi Manome, Fukushima prefectural office)
2. Overview of Fukushima Health Management Survey (Seiji Yasumura, Fukushima Medical University)
3. Working with evacuees' community (Yujiro Kuroda, Fukushima Medical University)

*This seminar is open to physicians and university faculty who are interested in the topic.  
Small gifts from Fukushima will be distributed!*